

REFERENCE

28-Aug-06
ROHM CO.,LTD
Di.Manufacturing Div.

SPICE PARAMETER
RB451F

Characteristic of inner diode

No.	NAME	PARAMETER	UNIT	DATA	
1	IS	Saturation Current	A	8.215E-07	
2	N	Emission Coefficient	-	1.066	
3	RS	Series Resistance	Ω	1.182	
4	IKF	High-injection Knee Current	A	13.221	
5	XTI	Temperature Exponent at IS	-	2	
6	EG	Autivation Energy	eV	0.69	default
7	CJO	Junction Capacitance	F	2.182E-11	
8	M	Granding Coefficient	-	0.423	
9	VJ	Junction Potential	V	0.354	
10	FC	Depletion Capacitance Coefficient	-	0.5	default
11	BV	Breakdown Voltage	V	40	
12	IBV	Breakdown Current	A	1.000E-05	
13	TT	Transit Time	SEC	8.656E-09	